EW30001
Pneumatic Coolant Machine

JOB AID

Technical Support:
833-303-4644

IMPORTANT: Machine needs 12V DC power and at least 115 psi of air to operate.

SAFETY RECOMMENDATIONS

Use extreme caution when working around a running engine.

Always block the vehicle's drive wheels.

Ventilate the vehicle's exhaust.

Always wear safety glasses.

It's a good idea to wear insulated gloves.

PREPARATION

Road test the vehicle at least one mile.

Make sure there are no problems with the Engine Cooling System such as leaks, low fluid level and soft or damaged hoses.

Connect battery cables to vehicle's battery.

Connect shop air supply to back of machine.

EVACUATION PROCEDURE

Turn overflow valve on back of machine to **NORMAL SERVICE POSITION**.

Connect wand adapter to **BLACK** service hose, insert into vehicle's overflow bottle/remote reservoir and open ball valve.

Turn the Vacuum / Fill Control dial to the **VACUUM / DRAIN WASTE** position.

Set switch to **AIR ON** position to remove fluid.

Remove Cooling System Pressure Cap and remove 2-3 inches of coolant.

NOTE: Use extreme caution when removing Pressure Cap from a hot cooling system that is under pressure.

Add Wynn's Cooling System Cleaner.

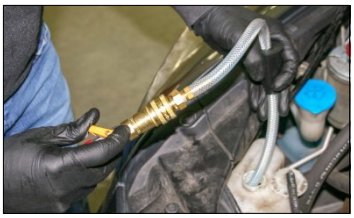
Replace Cooling System Pressure Cap.

Set switch to **OFF** position when finished removing fluid.

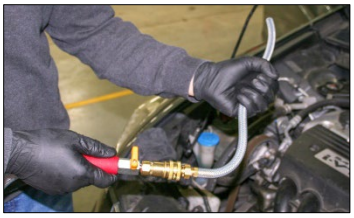
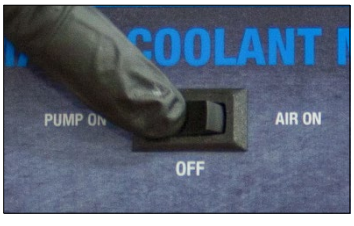
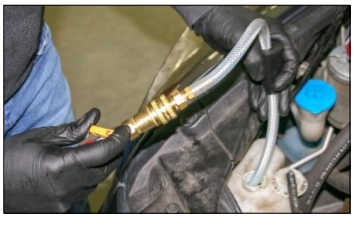
REMOVE & FILL PROCEDURE

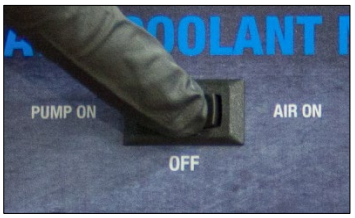
Perform service with the vehicle off and at operating temperature.

Start Engine, and run at idle or at a maximum of 1200 rpm, after thermostat opens, run engine for additional **10 minutes** and shut engine off.

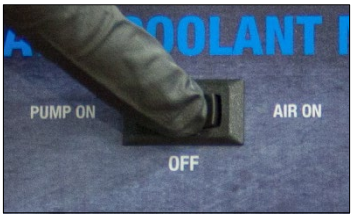
Connect the sliding cone adapter to the **BLACK** service hose and open the ball valve. Turn the Vacuum / Fill Control dial to the **VACUUM / DRAIN WASTE** position. Set switch to **AIR ON** position to remove fluid.	 
Remove Cooling System Pressure Cap. **NOTE:** Use extreme caution when removing Pressure Cap from a hot cooling system that is under pressure. Insert cone adapter into radiator / remote reservoir, making sure the tip of the cone is submerged. **TIP:** If servicing from degas bottle, slide the hose through the cone long enough to reach near the bottom of the bottle.	 
When no more fluid is being removed break the seal and reseal. Repeat process until all old coolant is evacuated. When all coolant has been evacuated allow the radiator hoses to collapse by vacuum. Once radiator hoses are completely collapsed and no more fluid is being removed, turn the Vacuum / Fill Control dial to the desired fluid type to fill the radiator. Set the switch to the **OFF** position. **IMPORTANT:** Be sure not to break the vacuum seal between the rubber cone and the radiator/cooling system once the final evacuation step has been completed.	 
When new fluid stops entering the radiator, remove the cone adapter from the radiator. Top off radiator if needed and refill overflow bottle (refer to top-off procedure). Replace Cooling System Pressure Cap.	 

TOP-OFF PROCEDURE

Connect wand adapter to **RED** service hose, making sure ball valve is closed. Turn the Top-Off Control dial to the desired fluid type.	 
Set switch to **PUMP ON** position to add coolant. Open ball valve on **RED** service hose to regulate fluid flow.	 

Set the switch and turn the Top-Off Control dial to the **OFF** position when finished adding fluid.	 

DRAIN TANKS PROCEDURE

Turn overflow valve on back of machine to **DRAIN WASTE TANK POSITION**. Turn the right-side dial to the **VACUUM / DRAIN WASTE** position.	 
Connect wand adapter to **BLACK** service hose, place into waste container, and open ball valve. Set switch to **AIR ON** position to drain the tank. **WARNING:** Coolant may splash out while air pressure is being released. Keep hands and face away from the overflow bottle.	 
When finished draining, close ball valve and remove service hose from waste container. Set switch to **OFF** position.	 
Turn overflow valve on back of machine to **NORMAL SERVICE POSITION**.